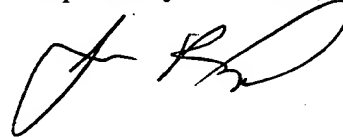


REMARKS

Claims 23-58 are pending in this application. Claims 1-22 have been cancelled, and new claims 23-58 have been added by this Preliminary Amendment. Minor updates have been made to the specification.

Applicant believes that all pending claims are allowable and respectfully requests a Notice of Allowance for this application from the Examiner. Should the Examiner believe that a telephone conference would expedite the prosecution of this application, the undersigned can be reached at the telephone number set out below.

Respectfully submitted,



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MARKED-UP VERSION OF AMENDMENTS

In the Specification:

Replace the paragraph starting on Page 1, line 10, with:

This application is a continuation of U.S. Application No. 09/203,908, filed December 1, 1998, which claims priority [of] to provisional applications [serial] no. 60/067,382, filed December 3, 1997 by Craig F. Culver, entitled "An Improved Multi-Function Control with Feedback," and [serial] no. 60/067,381, filed December 3, 1997 by Craig F. Culver, entitled "Interactive Panels for Instrument Control," [both assigned to the assignee of the present application, and both] all of which are incorporated herein by reference.

Replace the paragraph starting on Page 3, line 6, with:

More particularly, a control device of the present invention includes a housing and a carrier coupled to the housing and operative to move with respect to the housing in a first rotary degree of freedom. A first sensor senses the movement of the carrier and outputs a first control signal. A roller rotatably coupled to the carrier rotates with the carrier in the first degree of freedom and rotates independently of the carrier in a second rotary degree of freedom. A second sensor senses rotary motion of the roller and outputs a second control signal. Preferably, an arm member is coupled between the carrier and the housing, where the [am] arm member pivots about an axis and where the first sensor senses rotation of the arm member. The roller rotates about an axis that is parallel to a plane of rotation of the arm member. The arm member can be positioned in the housing, where the housing includes an aperture through which the carrier and roller are accessible to a user of the control device. Preferably, a third sensor is also included to detect when the carrier has been pushed in a direction substantially orthogonal to a plane of rotation of the arm member.